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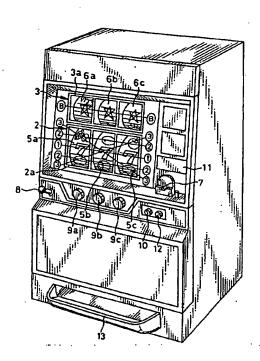
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(54) MACHINE A SOUS

(54) SLOT MACHINE



(57) Une machine à sous pour le jeu a une série de trois roues normales sur la périphérie desquelles se trouvent des symboles. Les roues normales tournent dans une partie normale, et elles s'arrêtent pour déterminer le gain, conformément à une combinaison de symboles sur les roues normales le long d'une première ligne gagnante prédéterminée. Le gain est choisi entre un gain normal et un gain spécifique. Une partie gratuite est déclenchée à l'occasion d'un gain spécifique. Il y a au moins une roue spécifique portant des symboles sur sa périphérie. La roue spécifique tourne lors de la partie gratuite, et elle s'arrête pour déterminer le gain, conformément à un symbole de la roue spécifique sur une deuxième ligne gagnante prédéterminée.

(57) A slot machine playing games has a set of three normal reels, of which symbols are arranged on a periphery. The normal reels are rotated in a normal game, and are stopped to determine the win, in accordance with a combination of symbols of the normal reels along a predetermined first winning line. The win is selected from a normal win and a specific win. A bonus game is triggered when the specific win is provided. There is at least one specific reel having symbols which are arranged on its periphery. The specific reel is rotated in the bonus game, and is stopped to determine the win, in accordance with a symbol of the specific reel at a predetermined second winning line.

ABSTRACT OF THE DISCLOSURE

A slot machine playing games has a set of three normal reels, of which symbols are arranged on a periphery. The normal reels are rotated in a normal game, and are stopped to determine the win, in accordance with a combination of symbols of the normal reels along a predetermined first winning line. The win is selected from a normal win and a specific win. A bonus game is triggered when the specific win is provided. There is at least one specific reel having symbols which are arranged on its periphery. The specific reel is rotated in the bonus game, and is stopped to determine the win, in accordance with a symbol of the specific reel at a predetermined second winning line.

KP7883

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SLOT MACHINE

BACKGROUND OF THE INVENTION

Field of the Invention

The present invention relates to a slot machine. More particularly, the present invention relates to a slot machine of which appearance and operation of reels are so improved as to heighten interest in games.

2. Description Related to the Prior Art

pinball machines. A slot machine has a set of symbolarranged reels, or a CRT showing images of such rotary reels.
At least one coin, token, medal or other disk of a predetermined kind (hereinafter referred to as coin) is inserted into
the slot machine, before a start button or start lever is
externally operated to start playing a game. The reels and
the like are rotated and then stopped according to probability, which is responsive to depression of stop buttons, or
simply to a lapse of suitable durations. A stopped combination of symbols appears along a winning line defined across
the front of the reels. If the symbol combination as stopped
coincides with a specific winning combination, a player is
given some of the various wins preset in the slot machine.
With a win, the player is rewarded with payment of a preset

number of coins, which are two to fifteen.

There have been recent slot machines in which it is possible to play not only the normal games but also bonus games, which have appearance and operation different from those of the normal games, with intention of heightening the characteristic of attracting players and exciting their interest in playing games. Among plural kinds of wins ranked differently, there is a big win or specific win, which can be given when a combination "7 - 7 - 7" appears along a winning line. Upon the occurrence of the big win, a great number of, for example 15, coins are paid out to the player. One or more bonus games are played next.

To play a bonus game, the reels are used in common with normal games. A series of bonus games is executed in the following manner. A player inserts a coin. The three reels are started rotating at the same time. One of the three reels is stopped at first. If one of the symbols around the stopped reel determined to indicate a bonus win is stopped along a winning line, then a bonus win is provided to pay out 15 coins to the player. Similar operations follow regarding the remaining two reels. Namely rotation of each reel is associated with the possibility in acquiring a bonus win. Subsequently the player inserts another coin, and causes the three reels to rotate. Then the series of bonus games is terminated when twelve bonus games are played, or when six bonus wins are given in less than twelve bonus games.

Playing a bonus game is far more advantageous than

playing a normal game, because as many as 15 coins can be paid out for a simple stop of one symbol of one reel before stop of the remaining two reels. In other words, a player playing a bonus game enjoys heightened probability in acquiring rewards over a normal game. The player can collect coins as his profit in high increase in playing bonus games.

Accordingly it is one of the greatest concerns to a player at a slot machine whether he can be allowed to play bonus games.

In the conventional slot machine, however, the appearance of the reels operated in bonus games is less conspicuous and less attractive visually than that in normal games, as each bonus win is simply caused by rotation of a single reel. Although playing a bonus game is substantively advantageous to a player, the less conspicuous appearance of the reels in bonus games is inconsistent with the advantageous situation to the player. Thus the conventional manner in the bonus games is likely to lessen interest in playing games or satisfaction in acquiring wins.

In the conventional slot machine, the reels are provided with symbols used in normal games, including PLUM and LEMON, and bonus symbols, which are lapped on PLUM, LEMON and the like, and used in bonus games to represent a bonus win, in such form as JAC or AAA. The reels must have excessively complicated appearance in combination of symbols for normal games and bonus games. It is difficult for beginning game players to discern those symbols. The conventional reels are unadvantageous also in difficulties in modification of rou-

times of bonus games if a designer of a slot machine has a new conception of bonus games for the purpose of seeking for further attraction of the slot machine.

SUMMARY OF THE INVENTION

In view of the foregoing problems, an object of the present invention is to provide a slot machine in which bonus games can be played with highly attractive appearance.

Another object of the present invention is to provide a slot machine in which a routine of executing a bonus game can be freely modified when a designer of a slot machine has a new conception of bonus games.

In order to achieve the above and other objects and advantages of this invention, a game is played in a slot machine to provide a win or loss. The win is of plural kinds including a normal win, a specific win, and a bonus win. The game is of plural kinds including a normal game and a bonus game. The bonus game is allowed when the specific win is provided upon playing of the normal game. A first reel set includes P normal reels of which symbols are arranged on a periphery. The normal reels are rotated in the normal game. The normal reels are stopped to determine the normal win or the specific win, in accordance with a combination of symbols of the normal reels along a predetermined first winning line. At least one specific reel has symbols, which are arranged on a periphery thereof. The specific reel is rotated in the bonus game. The specific reel is stopped to determine the

bonus win, in accordance with a symbol of the specific reel at a predetermined second winning line.

In a preferred embodiment, the slot machine includes the P+Q reels. First to Pth ones of the reels are rotated together, to play the normal game. (P+1)th to (P+Q)th ones of the reels are rotated, to play the bonus game.

In the present invention, bonus games can be played with highly attractive appearance. The routine of executing a bonus game can be freely modified when a designer of a slot machine has a new conception of bonus games.

According to the present invention there is provided a slot machine in which a game is played to provide a win or a loss, said win being one of plural kinds including a normal win, a specific win, and a bonus win, said game being one of plural kinds including a normal game and a bonus game, said bonus game being allowed when said specific win is provided upon playing of a said normal game, said slot machine comprising:

a first reel set, including P normal reels having symbols arranged on their peripheries, P being at least two, said normal reels rotating during a said normal game, said normal win or a said specific win, in accordance with the combination of symbols on said normal reels stopping along a predetermined first winning line displayed in a first window; and

at least one specific reel having symbols arranged on its periphery, said specific reel rotating during a said bonus game, said specific reel stopping to display a said bonus win in a second window spaced from said first

window, in accordance with the presence of at least one symbol on said specific reel in a predetermined winning position.

BRIEF DESCRIPTION OF THE DRAWINGS

The above objects and advantages of the present invention will become more apparent from the following detailed description when read in connection with the accompanying drawings, in which:

- Fig. 1 is a perspective view illustrating a slot machine of the present invention;
- Fig. 2 is a schematic diagram illustrating circuitry of the slot machine of Fig. 1;
- Fig. 3 is a flow chart illustrating a main routine of operation of the slot machine and inclusive of a normal game;
- Fig. 4 is a flow chart illustrating a subroutine of the slot machine for a bonus game;
- Fig. 5 is a schematic diagram illustrating other preferred sets of reels, of which specific reels are enlarged together with an enlarged window for the specific reels; and

Fig. 6 is a schematic diagram illustrating still other preferred sets of reels, of which specific reels are horizontally rotatable.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT(S) OF THE PRESENT INVENTION

In Fig. 1 illustrating a slot machine of the present invention, a display window 2 is formed in a front panel for normal reels 5a to 5c to be rotated in a normal game. A display window 3 is formed above the display window 2 for specific reels 6a to 6c to be rotated in a bonus game or specific game, which is enabled if a predetermined condition is met.

Behind the display window 2, the three normal reels 5a to 5c are disposed in rotatable fashion about their shafts supported horizontally. The normal reels 5a to 5c constitute a first reel set, which is used in normal games. Behind the display window 3, the three specific reels 6a to 6c are disposed in rotatable fashion about their shafts supported horizontally. The specific reels 6a to 6c constitute a second reel set, which is used in bonus games. The periphery of the normal reels 5a to 5c and 6a to 6c has symbols. Inside the display window 2, three of symbols on each of the normal reels 5a to 5c appear at a time externally. Inside the display window 3, one of symbols on each of the specific reels 6a to 6c appears at a time externally.

A window frame 2a defined around the window 2 and a

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window frame 3a defined around the window 3 consist of covering members of white translucent plastics, and normal game indicator or bonus game indicator 34 (see Fig. 2) incorporated behind the covering members. The normal or bonus game indicator consists of light-emitting diodes (LED). In playing the normal game with the normal reels 5a, 5b and 5c of the first reel set, the indicator in the window frame 2a is blinked to indicate the play of the normal game visually. In playing the bonus game with the specific reels 6a, 6b and 6c of the second reel set, the indicator in the window frame 3a is blinked to indicate the play of the bonus game. in the window frame 2a illuminate in a single color, while the LEDs as bonus game indicator 34 in the window frame 3a are operated to illuminate in plural different colors. Accordingly the indication of the bonus game is more conspicuous than that of the normal game.

In the first reel set, 21 symbols are formed on the each of the normal reels 5a to 5c, and include "7" and "CHERRY" and other fruits as illustrated in the drawing. As is common to conventional slot machines, a win is given when the reels are so stopped that three identical symbols around them are stopped along a validated winning line, which is included in plural winning lines across the display window 2. Regarding the symbol CHERRY, a win is given differently, i.e. given when one or two CHERRYs are stopped along a validated winning line. On the specific reels 6a to 6c of the second reel set, there are formed four kinds of symbols and eight symbols,

which are SUN, MOON, STAR and "blank" appearing respectively two times. None of the symbols SUN, MOON, STAR and "blank" is included in the first reel set.

The specific reels 6a, 6b and 6c of the second reel set have a smaller diameter than the normal reels 5a to 5c of the first reel set. Each of the specific reels 6a to 6c has a smaller number of symbols than those around the normal reels 5a to 5c. For the specific reels 6a to 6c of the second reel set, a single winning line is defined horizontally across the arrangement of the specific reels 6a to 6c. In a bonus game, a combination of symbols stopped along the winning line is checked. If it coincides with a certain winning combination, then a win is given. In the bonus game, the specific reels 6a to 6c of the second reel set is stopped one after another. If a symbol other than the "blank" is stopped on the winning line, then a bonus win is given. The probability of the bonus win is higher than any win associated with a normal Upon the stop of all the specific reels 6a to 6c, if there are two identical symbols except for the "blank" on the winning line, then a combined bonus win is given.

In the front panel of the slot machine, there are disposed a coin inlet slot 7, a start lever 8 and stop buttons 9a, 9b and 9c. There are marks of 1, 2 and 3 disposed beside the display window 2 and associated with the five winning lines. Behind the marks of 1, 2 and 3, line indicating lamps 33 (see Fig. 2) are incorporated. Prior to a start of a normal game, one, two or three coins are inserted into the

inlet slot 7. In response, the line indicating lamps 33 are selectively driven to illuminate at the marks 1, 2 and 3 in association with the number of validated winning lines. When one coin is inserted, only the mark 1 is illuminated for one validated winning line. When two coins are inserted, the marks 1 and 2 are illuminated for three validated winning lines. When three coins are inserted, the marks 1, 2 and 3 are illuminated for five validated winning lines, inclusive of the three horizontal ones and two diagonal ones. The inlet slot 7 is used also prior to playing bonus games.

There is a credit-play button 10, which is depressed after a great number of coins are inserted into the inlet slot 7. One depression of the credit-play button 10 instructs the slot machine to play one coin by spending one of the inserted coins. A player can recognize a decrement of the inserted coins when checking an indicator 11, which indicates the present number of the inserted coins. If a command is entered to credit coins, the number of the credited coins is so controlled as to add the number of paid coins to the number of the credited coins. When a payout button 12 is depressed, all the credited coins are exited into a receptacle tray 13.

The start lever 8 is enabled to operate after insertion of the coin. Actuation of the start lever 8 starts the normal reels 5a to 5c rotating at once for the normal games, or starts the specific reels 6a to 6c rotating at once for the bonus games. The stop buttons 9a to 9c are enabled as

soon as the normal reels 5a to 5c or 6a to 6c come to rotate at a constant speed after acceleration. When each of the stop buttons 9a to 9c is depressed, the reel associated with the depressed button is responsively stopped from rotation.

Fig. 2 illustrates circuitry of the slot machine. The normal reels 5a, 5b and 5c are directly driven by respective stepping motors 15a, 15b and 15c. The specific reels 6a, 6b and 6c are directly driven by respective stepping motors 16a, 16b and 16c. Counters 18a to 18c and 19a to 19c are associated with the respective stepping motors 15a to 15c and 16a to 16c, and count drive pulses with which the stepping motors are supplied by drivers 20a to 20c and 21a to 21c. Each of the counters 18a to 18c and 19a to 19c has a count terminal C and a reset terminal R, through which a count in the counter is reset as zero upon movement of the stepping motor past its original position.

The arrangement of the symbols around the reels of the first and second reel sets is predetermined. One predetermined kind of symbol is associated with an original position of each stepping motor. When each reel is stopped, a count of the counter for the stopped reel is inputted into an MPU (microprocessor unit) 25, which electrically discerns which of the symbols is stopped along validated winning lines.

The MPU 25 generally controls an execution of the games in accordance with a gaming program stored in a program ROM 26. The MPU 25 is supplied with signals from a coin sensor 28, a start signal generator 29, and a stop signal generator

30. The coin sensor 28 detects a coin inserted into the inlet slot 7. The start signal generator 29 responds to operation of the start lever 8 to generate the start signal. The stop signal generator 30 responds to operation of the stop buttons 9a, 9b and 9c to generate the stop signal.

The MPU 25 refers to data stored in a win table memory 31 during the games, and supplies drive signals to a coin dispenser 32, the line indicator lamps 33 and a bonus game indicator 34. The table memory 31 stores win combination data representing win combinations of symbols in association with normal wins as a result of normal games, and numbers of reward coins in association with the win combination data. The table memory 31 also stores win combination data representing win combinations of symbols in association with bonus wins as a result of bonus games, and numbers of reward coins in association with the win combination data. The win table memory 31 is referred to by the MPU 25 to determine wins.

The coin dispenser 32 is driven upon an occurrence of a win for a game, and exits coins in a number associated with a grade of the win to place them into the receptacle tray 13. The line indicator lamps 33 indicate which of the winning lines are validated in association with the number of inserted coins for the start of the normal game. The bonus game indicator 34 is driven when bonus games are triggered, and emits illumination by way of LEDs in the window frame 3a to indicate the play of the bonus game.

The operation of the above slot machine is described by

referring further to the flow charts in Figs. 3 and 4. A player inserts at most three coins through the inlet slot 7, and moves the start lever 8 to start a normal game. The normal reels 5a, 5b and 5c of the first reel set are started rotating simultaneously, to increase the rotational speed until the normal reels 5a to 5c rotate at their constant high speed. The stop buttons 9a to 9c are enabled. Then the stop buttons 9a to 9c are depressed in any order desired by the player. The depression of the reels stops supply of drive pulses for the stepping motors, to stop the reels. Note that, if the stop buttons 9a to 9c are never depressed in rotation of the reels 5a to 5c, the reels are automatically stopped, because drive pulses to the motors 15a to 15c are stopped upon counting up in a timer. This avoids prolonging the duration of each game as played.

When all the normal reels 5a to 5c are stopped, there is a judgment regarding the occurrence and grade of a win. As is described above, the counts in the counters 18a to 18c are read by the MPU 25. The data stored in the win table memory 31 for the normal games is referred to, for detection of a normal win or loss, and the kind of the normal win. If a loss is detected, then the game is ended without any further step. If a normal win is detected, coins of which the number is associated with the kind of the normal win are paid out, to end the game.

As a result of win detection of the normal game, a "big" win is given as a specific win when a symbol combination "7 -

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7 - 7" is stopped on a validated winning line. A predetermined number of, e.g. 15, coins are paid out, before triggering of a bonus game as illustrated in Fig. 4. The number of the coins paid out for the big win is predetermined greater than that for a normal win. It is to be noted that, in addition to "7 - 7 - 7", a big win or specific win can be provided in response to a stop of a single specific symbol: each reel 5a to 5c can have a symbol "BIG". When at least one BIG is stopped on a validated winning line, responsively a big win can be determined.

When the bonus game is started, the bonus game indicator 34 is actuated to illuminate through the window frame 3a. The window frame 3a illuminates in the apparently distinct plural colors, to display occurrence of the bonus game so conspicuously with admirable appearance, that not only the player at the slot machine but also other players and attendants around him are informed of the bonus game. Accordingly the player about to play the bonus game is given great satisfaction.

To start a bonus game, one coin is inserted. The start lever 8 is operated. The specific reels 6a to 6c of the second reel set are started rotating simultaneously. The stop buttons 9a to 9c are depressed as desired by the player, to stop the second reel set, reel after reel. If the stop buttons 9a to 9c stand without being depressed, the specific reels 6a to 6c are stopped automatically upon counting up of the timer, in the same manner as the normal game.

One of the reels of the second reel set is stopped. response to this, the MPU 25 reads a count of the counter associated with the stopped reel among the counters 19a to 19c, and refers to data stored in the win table memory 31 for the bonus game, to detect occurrence of a bonus win. On the specific reels 6a to 6c of the second reel set, there are formed eight symbols, which are SUN, MOON, STAR and "blank" appearing respectively two times. If a symbol other than the "blanks" is stopped on the winning line, then a bonus win is given. For a bonus win with the SUN symbol, 15 coins are paid out. For a bonus win with the MOON symbol, 10 coins are paid out. For a bonus win with the STAR symbol, five coins are paid out. It is of course possible to determine the numbers of the coins for those bonus wins differently as 15 desired.

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when all the reels of the second reel set is stopped,
the MPU 25 further refers to data stored in the win table
memory 31, and detects a symbol combination of the specific
reels 6a to 6c stopped along the winning line. If at least
two identical symbols other than the "blank" are stopped
along the winning line, then coins are paid out as a reward
of a combined bonus win. If at least two SUNs are stopped,
30 coins are paid out. If at least two MOONs are stopped,
coins are paid out. If at least two STARs are stopped, 10
coins are paid out. It is possible to determine the numbers
of the coins for those combined bonus wins differently as
desired.

The first bonus game played with the one coin is ended. Then coins are successively inserted, to play three other bonus games in similar fashion. In other words, four bonus games are played in all. The number of the four games is predetermined as programmed in the flow chart in Fig. 4 at the step of "N <- 4". It is possible differently to determine the number of the bonus games as desired. Further it is possible to determine plural kinds of big wins or specific wins to occur upon the normal games. With the different kinds of the specific wins, it is possible to associate different numbers of playable bonus games.

When four bonus games are ended, the bonus game indicator 34 is turned off. The bonus game is terminated to stand by for a normal game. In the bonus games, winning probability is heightened over that of normal games. The player can enjoy being rewarded with a great number of coins. The second set of the specific reels 6a to 6c is specified for the bonus games differently from the first set of the normal reels 5a to 5c for the normal games. The symbols provided for the second reel set are different from those of the first reel set, and are apparently peculiar to players as customers of a gaming hall. Accordingly the slot machine gives special interest to the players playing games at it. In the present invention, bonus games are played with the specific reels exclusive to the bonus games, which are also useful in further predetermining other variants of bonus games.

Referring to Fig. 5, another preferred embodiment of the

present invention is described now. Under the display window 2, there is formed another display window 40, which has a size equal to the display window 2 and is used for the bonus games. There are specific reels 41a to 41c behind the display window 40 for the bonus games. The specific reels 41a to 41c respectively have a diameter equal to that of the normal reels 5a to 5c of the first reel set, and are rotatable about a horizontal axis. The periphery of the specific reels 41a to 41c are provided with symbols, which are used in the bonus games, and are as many as the first reel set. Three of the symbols on each specific reel are observable through the display window 40. Three horizontal winning lines are defined across the display window 40 for the bonus games. All the winning lines are rendered effective in playing the bonus games.

The embodiment has the plural winning lines for bonus games. It is possible to heighten probability of bonus wins and combined bonus wins. As compared with the former embodiment, the specific reels 41a to 41c can be provided with a greater number of symbols. It is possible to increase the kinds of symbols specified for bonus games, to enhance interest in the games. It is possible in addition to the horizontal winning lines to define two diagonal winning lines, in a manner similar to those for the reel set of the normal games.

Fig. 6 illustrates another preferred embodiment characterized in a vertically longer display window 45 which is

formed beside the display window 2. Reels 46a to 46c for the bonus games are rotatable about a vertically oriented rotational axis. The embodiment is favorable in heightening interest to the player playing bonus games, as the specific reels 46a to 46c for the bonus games are rotated differently from the normal reels 5a to 5c. It is of course possible to widen the display window 45 horizontally in a size where three of the symbols on each specific reel appear externally. In Fig. 6, only one winning line is depicted. However plural winning lines can be formed.

In the above embodiments, the slot machine has the three normal reels for normal games. The present invention is however applicable to a slot machine having four or more normal reels for normal games. In the above embodiments, the slot machine has the three specific reels for bonus games. The present invention is still applicable to a slot machine having one, two, four or more specific reels for bonus games. In the above embodiments, the specific reels for bonus games are as many as the normal reels for normal games. Alternatively it is possible for bonus games to use a different number of normal reels from specific reels for normal games. If fewer specific reels for bonus games are used, it is space for incorporation of the spefavorable in reducing cific reels for bonus games. Such a slot machine is prevented from being excessively enlarged. It is possible to modify the size, position and orientation of the specific reels for bonus games as desired by designing of a slot machine.

In the above embodiments, the triggering of the bonus games is conditioned to occur upon stopping of "7 - 7 - 7" along a winning line of the normal reels. Alternatively the triggering of the bonus games can be conditioned differently. The bonus games may be triggered upon stopping of one particular symbol (such as "BIG") on one of the winning lines. is further possible to vary the symbols around the reels. the above, there is no symbol common to the reels for the bonus games and the normal games. However it is possible for variant specific reels to include some of the symbols for the normal games. Symbols "7" can be included in the normal reels for the bonus games. It is possible to set an extraordinary big win which can be given on an occasion of the stopped combination of "7 - 7 - 7" on the normal reels with the stopped combination of "7 - 7 - 7" on the specific reels. For the extraordinary big win, hundreds of coins may be paid out.

The present invention is applicable to a slot machine which has only one stop button, and in which the three reels can be stopped at different moments successively after manual depression of the stop button. It is possible to design the slot machine such that the stop button must be depressed three times, or can be depressed only once, before the stop of the three reels.

The present invention is also applicable to a slot machine which does not have any stop button, and in which the reels are automatically stopped at random.

Although the present invention has been fully described by way of the preferred embodiments thereof with reference to the accompanying drawings, various changes and modifications will be apparent to those having skill in this field. Therefore, unless otherwise these changes and modifications depart from the scope of the present invention, they should be construed as included therein.

THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

1. A slot machine in which a game is played to provide a win or a loss, said win being one of plural kinds including a normal win, a specific win, and a bonus win, said game being one of plural kinds including a normal game and a bonus game, said bonus game being allowed when said specific win is provided upon playing of a said normalgame, said slot machine comprising:

a first reel set, including P normal reels having symbols arranged on their peripheries, P being at least two, said normal reels rotating during a said normal game, said normal win or a said specific win, in accordance with the combination of symbols on said normal reels stopping along a predetermined first winning line displayed in a first window; and

at least one specific reel having symbols arranged on its periphery, said specific reel rotating during a said bonus game, said specific reel stopping to display a said bonus win in a second window spaced from said first window, in accordance with the presence of at least one symbol on said specific reel in a predetermined winning position.

2. A slot machine as defined in claim 1, further comprising:

a controller for selecting one of said normal game and said bonus game;

a first driver section, connected to said controller, for driving said normal reels respectively to rotate together when said normal game is selected through said controller; and

a second driver section, connected to said controller, for driving said specific reel to rotate when said bonus game is selected through said controller.

- 3. A slot machine as defined in claim 2, further comprising:
- a first position detector device, associated with said normal reels, for detecting respective stop positions of said normal reels, an address constituted of a combination of said stop positions of said normal reels; and
- a win table memory for storing data of said win at said address, said controller accessing said win table memory at said address, to determine occurrence of said win and said kinds of said win.
- 4. A slot machine as defined in claim 3, wherein said game is played by betting a coin, coins are paid when said win is provided, and said specific win is associated with a greater number of said coins to be paid than said normal win.
- 5. A slot machine as defined in claim 4, wherein said symbols arranged around said specific reel are different from said symbols arranged around said normal reels.
- 6. A slot machine as defined in claim 4, wherein said specific reel comprises Q specific reels, Q being at least two, said specific reels include a first specific reel and Q-1 second specific reels, constitute a second reel set, and are rotated together to play said bonus game.
- 7. A slot machine as defined in claim 6, wherein said controller starts said Q specific reels rotating for said

bonus game, stops said first specific reel, and subsequently stops said second specific reels, and said controller retriggers said normal game after playing of at least one said bonus game;

further comprising a second position detector device associated with said Q specific reels, for detecting respective stop positions of said specific reels;

wherein said win table memory further stores data of said bonus win and data of a combined bonus win, an address of said bonus win data being a stop position of said first specific reel, an address of said combined bonus win data being a combination of said stop positions of said Q specific reels, and said controller determines said bonus win and said combined bonus win, in accordance with said detected stop positions of said Q specific reels.

- 8. A slot machine as defined in claim 7, wherein said bonus game is played by betting a single coin, and said controller re-triggers said normal game after playing of N bonus games, where N is a predetermined number of at least one.
- 9. A slot machine as defined in claim 6, wherein said normal reels and said specific reels are rotated respectively about horizontally oriented axes.
- 10. A slot machine as defined in claim 6, wherein said normal reels are rotated about a horizontally oriented axis, and said specific reels are rotated about a vertically oriented axis.
 - 11. A slot machine as defined in claim 6, wherein said

specific reels have a diameter substantially equal to a diameter of said normal reels, and have said symbols as many as said symbols of said normal reels.

- 12. A slot machine as defined in claim 6, wherein P = Q, and said normal reels and said specific reels are arranged in a 2 x P matrix.
- 13. A slot machine as defined in claim 6, wherein said specific reels have a diameter smaller than a diameter of said normal reels, and have said symbols fewer than said symbols of said normal reels.
- 14. A slot machine as defined in claim 6, wherein said first winning line comprises plural lines, and said second winning line is single.
- 15. A slot machine as defined in claim 1, further comprising:
- a bonus game indicator, disposed closely to said second window, and driven during said bonus game, for indicating execution of said bonus game.
- 16. A slot machine as defined in claim 15, wherein said bonus game indicator includes at least one light-emitting diode.
- 17. A slot machine as defined in claim 1, wherein said specific win is associated with a symbol combination comprising P symbols of a common kind, and/or a symbol combination containing at least one symbol of a specific kind included in said symbols on said normal reels.
- 18. A slot machine including P+Q reels having symbols arranged on their peripheries, P being at least

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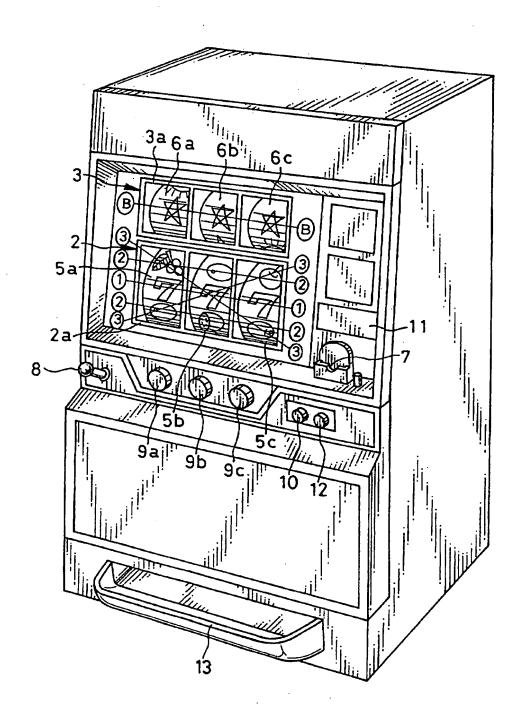
two and 0 being at least one, said reels being rotated to play a game, said reels being stopped to display a win, in accordance with a combination of symbols of said reel stopping along a predetermined winning line, said win comprising a normal win or a specific win, said game comprising a normal game and a bonus game, said bonus game being allowed when said specific win is displayed, said slot machine further comprising:

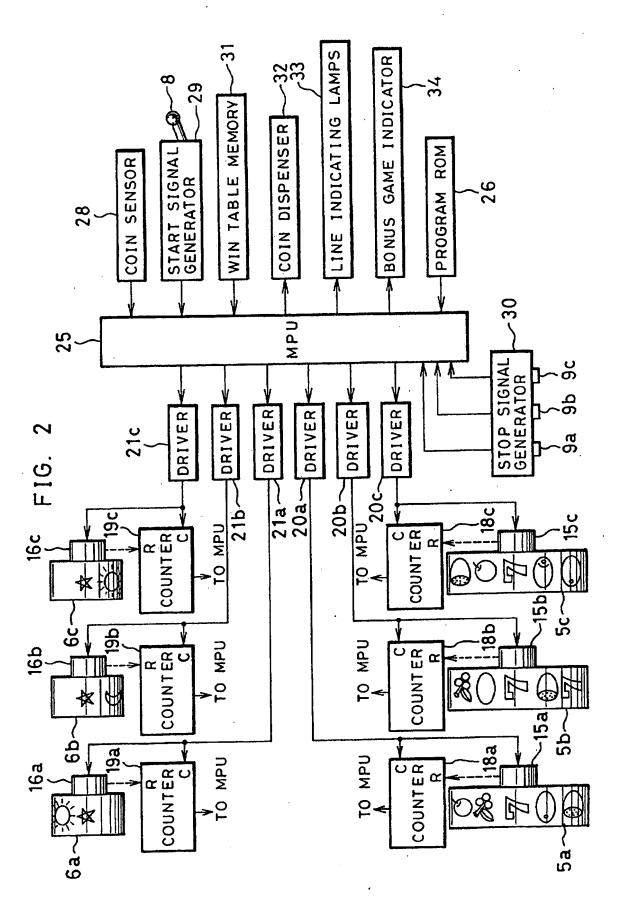
means for rotating first to Pth ones of said reels together, to play said normal game;

means for rotating (P+1)th to (P+Q)th ones of said reels together, to play said bonus game; and a window for displaying the symbols on the winning line of said (P+1)th to (P+Q)th ones of said reels, said window being spaced from the first to Pth ones of said reels.

19. The slot machine of claim 18 further comprising a periphery for said window which is adapted to be illuminated when said bonus game is to be played.

FIG. 1





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FIG. 3

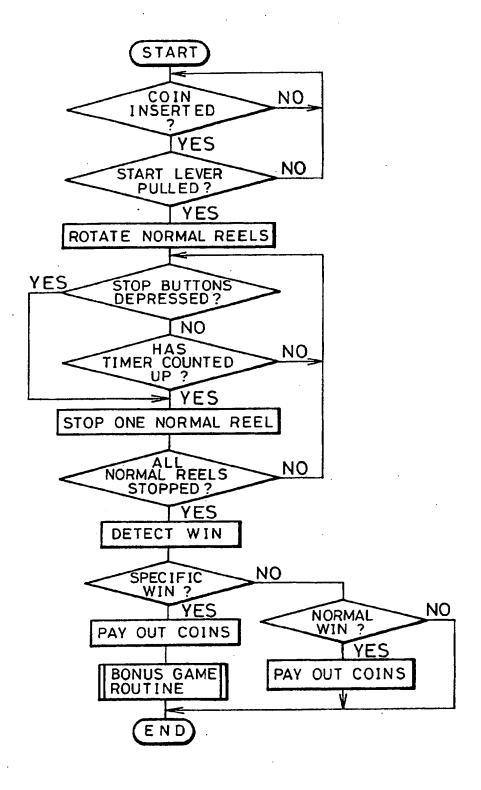


FIG. 4

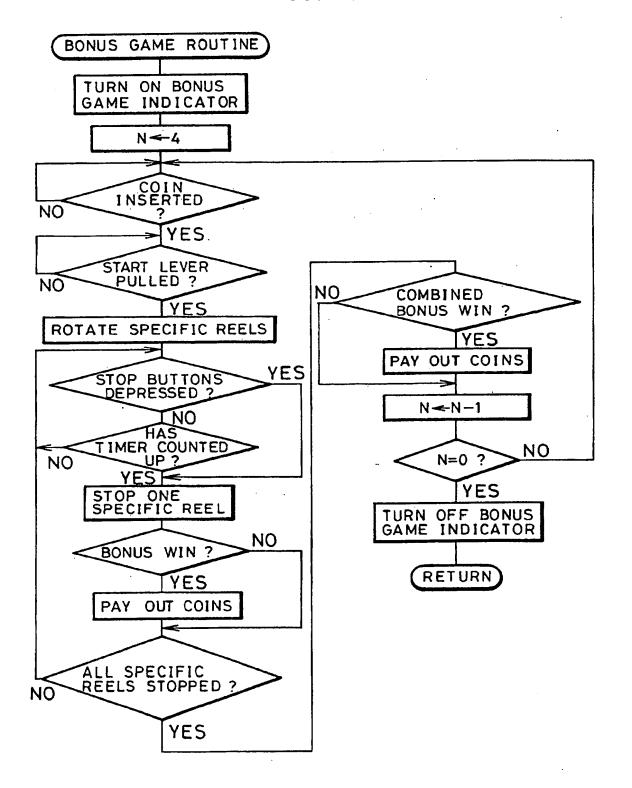


FIG. 5

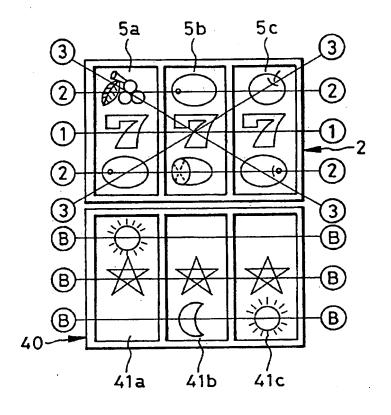
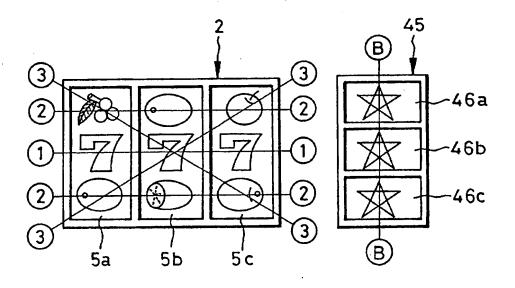


FIG. 6



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